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OM protein - protein search, using sw model

Run on: January 16 2003, 16:34:37 : Search time 23.7857 seconds
(without alignments)
28.011 Million cell updates/sec

Title: us-09-856-070-18

Perfect score: 24

Sequence: 1 KEELM 5

Scoring table: HLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 908470 seqs, 133250620 residues

Total number of hits satisfying chosen parameters: 908470

Minimum DB seq length: 0

Maximum DB seq length: 2500000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : A-Geneset101002.*			
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2:	/SID22/qcgdata/geneseq/geneseq-emb1/AA1981.DAT.*		
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6:	/SID22/qcgdata/geneseq/geneseq-emb1/AA1985.DAT.*		
7:	/SID22/qcgdata/geneseq/geneseq-emb1/AA1986.DAT.*		
8:	/SID22/qcgdata/geneseq/geneseq-emb1/AA1987.DAT.*		
9:	/SID22/qcgdata/geneseq/geneseq-emb1/AA1988.DAT.*		
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11:	/SID22/qcgdata/geneseq/geneseq-emb1/AA1990.DAT.*		
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14:	/SID22/qcgdata/geneseq/geneseq-emb1/AA1993.DAT.*		
15:	/SID22/qcgdata/geneseq/geneseq-emb1/AA1994.DAT.*		
16:	/SID22/qcgdata/geneseq/geneseq-emb1/AA1995.DAT.*		
17:	/SID22/qcgdata/geneseq/geneseq-emb1/AA1996.DAT.*		
18:	/SID22/qcgdata/geneseq/geneseq-emb1/AA1997.DAT.*		
19:	/SID22/qcgdata/geneseq/geneseq-emb1/AA1998.DAT.*		
20:	/SID22/qcgdata/geneseq/geneseq-emb1/AA1999.DAT.*		
21:	/SID22/qcgdata/geneseq/geneseq-emb1/AA2000.DAT.*		
22:	/SID22/qcgdata/geneseq/geneseq-emb1/AA2001.DAT.*		
23:	/SID22/qcgdata/geneseq/geneseq-emb1/AA2002.DAT.*		

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
1	24	100.0	5	22	AAH82036 Human hepreceptor
2	24	100.0	8	22	AAH82036 Human hepreceptor
3	24	100.0	13	22	AAH82037 Human hepreceptor
4	24	100.0	29	22	ABH31539 Peptide #4198 enco
5	24	100.0	29	22	ABH36756 Peptide #4262 enco
6	24	100.0	29	22	ABH22083 Protein #4082 enco
7	24	100.0	29	22	AAH57583 Human brain expres
8	24	100.0	29	22	AAH59987 Human bone marrow
9	24	100.0	29	22	AAH17730 Peptide #4164 enco
10	24	100.0	29	22	AAH30245 Peptide #4282 enco

11	24	100.0	29	22	AAH05392 Peptide #4074 enco
12	24	100.0	29	23	ABG39536 Human hepreceptor
13	24	100.0	34	22	AAH82036 Human hepreceptor
14	24	100.0	52	22	AAU33060 Novel human secret
15	24	100.0	56	21	AAH05392 Arabidopsis thalia
16	24	100.0	56	20	AAH74237 Human prostate tum
17	24	100.0	63	21	AAH60549 Arabidopsis thalia
18	24	100.0	68	22	AAU21878 Human cardiovascular
19	24	100.0	84	20	AAH89863 Antigen 2 from cl
20	24	100.0	104	21	AAH01796 Soybean M1c homolo
21	24	100.0	106	22	AAH01456 Human polypeptide
22	24	100.0	109	23	ABP08192 Human GRX protein
23	24	100.0	117	20	AAH75233 Amino acid sequen
24	24	100.0	121	23	ABH49483 Listeria monocytog
25	24	100.0	160	21	AAH59749 Arabidopsis thalia
26	24	100.0	164	21	AAH59749 Arabidopsis thalia
27	24	100.0	164	22	AAH35818 Helicobacter pylor
28	24	100.0	164	22	AAH35818 Helicobacter pylor
29	24	100.0	165	21	AAH38766 Human secreted pro
30	24	100.0	165	22	AAH40267 Human polypeptide
31	24	100.0	166	21	AAH59748 Arabidopsis thalia
32	24	100.0	168	13	AAH24252 Vaccinia virus sal
33	24	100.0	170	17	AAH98756 Murine NEBD-2 prot
34	24	100.0	170	17	AAH98756 Murine NEBD-2 prot
35	24	100.0	171	15	AAH45254 Murine NEBD-2. Mu
36	24	100.0	171	15	AAH45273 Murine NEBD-2 muta
37	24	100.0	171	15	AAH45274 Murine NEBD-2 muta
38	24	100.0	171	15	AAH45275 Murine NEBD-2 muta
39	24	100.0	171	21	AAH45251 Mouse nedd-2 prote
40	24	100.0	184	22	AAH42033 Human polypeptide
41	24	100.0	211	21	AAH11284 Arabidopsis thalia
42	24	100.0	222	21	AAH57892 Arabidopsis thalia
43	24	100.0	222	21	AAH57892 Arabidopsis thalia
44	24	100.0	222	21	AAH57892 Arabidopsis thalia
45	24	100.0	230	21	AAH1263 Arabidopsis thalia

ALIGNMENTS

RESULT 1			
ID	AAH82036	standard; peptide: 5 AA.	
XX	AAH82036		
AC	AAH82036		
DE	13-JUN-2001	(first entry)	
XX	Human hepreceptor domain A binding peptide Expe204.		
DE	Human hepreceptor, cytosolic, anti-HIV, antidiabetic,		
KW	neofetopie, immune response inducib, ezrin, infectious diseases, cancer;		
KW	HIV related dementia.		
XX			
OS	Homo sapiens.		
XX			
XX	GB2354241-A.		
PD	21-MAR-2001.		
XX			
PF	17-SEP-1999; 99GB-0021881.		
XX			
PR	17-SEP-1999; 99GB-0021881.		
XX	(HOLM/) HOLMS R D.		
XX	HOLMS RD.		
XX	WFI, 2001-293287/31.		
XX	Novel regulatory or unfolding peptides of ezrin that binds to		
PT	hepreceptor, useful for inducing immune response for treating		
PT	infectious diseases and cancer		

xx
PS Claim 21; Page 36; 42pp; English.

The heprecceptor is a novel active site in human erlin. Erlin regulates the structure of the erlin at cytoskeleton to control cell surface topography. The present invention relates to peptides (see AAB82021 to AAB82041) that bind to heprecceptor with greater affinity than HEP1 (see AAB82046). The heprecceptor binding peptides are useful for inducing immune response and for treating infectious diseases (cancer and HIV-related dementia). The present peptide binds to domain A of the heprecceptor (AAB82019).

XX Sequence 5 AA:

Query Match 100.0%; Score 24, DB 22, Length 5;
Best Local Similarity 100.0%; Pred. No. 7.8e+05;
Matches 5; Conservative 0; Mismatches 0; Indels

07 1 KFFLM 5
11111

RESULT 2
AAU68025
10 AAU68025 standard; Peptide: 8 AA.

AA: AAU68025;

16-JAN-2002 (first entry)

Human Breast cancer-associated protein isoform, BP1-1 peptide #3.

Human; Breast cancer-associated protein isoform; breast cancer; immunogen; cytostatic; BPI; tryptic digest peptide.

Homo sapiens.

W0200171357-A2.

27-SEP 2001.

20-MAR-2001; 2001WO CH01219.

20-MAR-2000; 2000GB-0006695.

XX
 64 MAR 2000, 2000Z

PI Horath HMAc, O'Hare MJ, Page MJ, Parakh RB, Waterfield MD;

WPI; 2001 611532/70.

Identifying proteins for clinical screening, diagnosis and prognosis of breast cancer, comprises detecting Breast Cancer-Associated protein Isoforms (BAPIs) using two-dimensional electrophoresis -

Claim 9; Page 43; 197pp; English.

The invention relates to diagnosing, determining the stage or severity, or identifying the risk of a subject developing cancer (especially breast cancer), or monitoring the effect of therapy on a subject with cancer, comprising analysing a test sample using two-dimensional electrophoresis and detecting Breast Cancer Associated Protein Isoforms (BAPIs). The methods disclosed are used for the diagnosis and prognosis of breast cancer, for determining the severity of breast cancer, and for identifying a subject at risk of developing breast cancer, and monitoring the effect of therapy administered to a subject. Antibodies raised against the binding domain of a BPI, the binding domain of a BPI, a nucleic acid encoding a BPI, or a nucleic acid that inhibits the function of a BPI can be incorporated into a pharmaceutical composition for treating or preventing breast cancer. The methods use sensitive and specific biomarkers provide early diagnosis of breast

Db 1 KEELM 5

RESULT 4

ABB31539
ID ABB31539 standard; Peptide: 29 AA.

XX AC ABB31539;

XX DT 01-FEB-2002 (first entry)

XX DE Peptide #4190 encoded by breast cell single exon nucleic acid probe.

XX KW Human; microarray, single exon probe, gene expression, breast, disease; cancer.

XX OS Homo sapiens

XX PN WO200157271-A2.

XX PD 09-AUG-2001

XX PF 30-JAN-2001; 2001WO-080662

XX PR 04-FEB-2000; 2000US-0180412

XX PR 26-MAY-2000; 2000US-0207456

XX PR 30-JUN-2000; 2000US-0608408

XX PR 03-AUG-2000; 2000US-0632466

XX PR 21-SEP-2000; 2000US-0234687

XX PR 27-SEP-2000; 2000US-0236359

XX PR 04-OCT-2000; 2000US-0034263

XX PA (MOLE-) MOLECULAR DYNAMICS INC.

XX PI Penn SG, Hanzel DK, Chen W, Rank DR;

XX PT WPI; 2001 496933/54.

XX PT New spatially addressable set of single exon nucleic acid probes, useful for measuring gene expression in sample derived from human breast, comprises number of single exon nucleic acid probes .

XX PS Claim 27; SEQ ID NO 11507; 327pp + sequence listing; English.

XX CC The invention relates to a spatially addressable set of single exon nucleic acid probes for measuring gene expression in a sample derived from human breast and PI 474 cells. The method involves contacting the probes with a collection of detectably labeled nucleic acids derived from mRNA of human breast, and then measuring the label bound to each probe of the microarray. The probes are useful for verifying the expression of regions of genomic DNA predicted to encode proteins. They are useful for gene discovery, and for determining predisposition and/or prognosing breast disease. Gene expression analysis is useful for assessing the toxicity of chemical agents on cells. The microarray of this invention presents a far greater diversity of probes for measuring gene expression, with far less bias than expressed sequence tag microarrays. The method is suitable for rapid production of functional information from genomic sequence. The present sequence is a peptide encoded by a single exon nucleic acid probe of the invention.

XX CC Note: the sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at http://wipo.int/pub/published_pct_sequences.

XX SQ Sequence 29 AA:

Query Match 100.0%; Score 24; DB 22; Length 29;

Best Local Similarity 100.0%; Pred. No. 1e-02;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KEELM 5

|||||

Db 8 KEELM 12

RESULT 5

ABB36756
ID ABB36756 standard; Peptide: 29 AA.

XX AC ABB36756;

XX DT 04-FEB-2002 (first entry)

XX DE Peptide #4262 encoded by human foetal liver single exon probe.

XX KW Human; foetal liver, gene expression, single exon nucleic acid probe.

XX OS Homo sapiens

XX PN WO200157277-A2.

XX PD 09-AUG-2001

XX PF 30-JAN-2001; 2001WO-080662

XX PR 04-FEB-2000; 2000US-0180312

XX PR 26-MAY-2000; 2000US-0207456

XX PR 30-JUN-2000; 2000US-0608408

XX PR 03-AUG-2000; 2000US-0632466

XX PR 21-SEP-2000; 2000US-0234687

XX PR 27-SEP-2000; 2000US-0236359

XX PR 04-OCT-2000; 2000US-0034263

XX PA (MOLE-) MOLECULAR DYNAMICS INC.

XX PI Penn SG, Hanzel DK, Chen W, Rank DR;

XX PT WPI; 2001 483447/52.

XX PT Human genome derived single exon nucleic acid probes useful for analyzing gene expression in human fetal liver .

XX PS Claim 27; SEQ ID NO 29391; 639pp + sequence listing; English.

XX CC The invention relates to a single exon nucleic acid probe for measuring human gene expression in a sample derived from human foetal liver. The single exon nucleic acid probes may be used for predicting, measuring and displaying gene expression in samples derived from human foetal liver. The present sequence is a peptide encoded by a single exon nucleic acid probe of the invention.

XX CC Note: the sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at http://wipo.int/pub/published_pct_sequences.

XX SQ Sequence 29 AA:

Query Match 100.0%; Score 24; DB 22; Length 29;

Best Local Similarity 100.0%; Pred. No. 1e-02;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KEELM 5

|||||

Db 8 KEELM 12

RESULT 6

ABB22083
ID ABB22083 standard; Protein: 29 AA.

XX AC ABB22083;

XX DT 23 JAN 2002 (first entry)

XX DE Protein #4082 encoded by probe for measuring heart cell gene expression. Human, gene expression, heart, microarray, vascular system;

KW cardiovascular disease; hypertension; cardiac arrhythmia;
 KW congenital heart disease.

OS Homo sapiens.

XX WO200157274-A2.

XX 09-AUG-2001

XX 40-JAN-2001; 2001WO-US00666.

XX 04-FEB-2000; 2000US-0180312.

XX 26-MAY-2000; 2000US-0207456.

XX 30-JUN-2000; 2000US-0608408.

XX 03-AUG-2000; 2000US-0642466.

XX 21-SEP-2000; 2000US-0344687.

XX 27-SEP-2000; 2000US-0236359.

XX 04-OCT-2000; 2000US-0024263.

XX (MOLE-) MOLECULAR DYNAMICS INC.

XX Penn SG, Hanzel DK, Chen W, Rank DR;

XX WPI; 2001-488899/53.

XX Single exon nucleic acid probes for analyzing gene expression in human

XX hearts.

XX Claim 15; SEQ ID No 24054; 540pp; English.

XX The present invention relates to single exon nucleic acid probes for

XX measuring human gene expression in a sample derived from human heart (see

XX AB21545-AAA1305). The present sequence is a protein encoded by one such

XX probe. The probes may be used for predicting, measuring and displaying

XX gene expression in samples derived from the human heart via microarrays.

XX By measuring gene expression, the probes are useful for predicting, of the

XX diagnosis, grading, staging, monitoring and prognosing diseases of the

XX human heart and vascular system e.g. cardiovascular disease,

XX hypertension, cardiac arrhythmias and congenital heart disease.

XX Note: The sequence data for this patent did not form part of the printed

XX specification, but was obtained in electronic form directly from WIPO

XX at http://wipo.int/pub/published_pat_sequences.

XX Sequence 29 AA;

XX Query Match 100.0%; Score 24; DB 22; Length 29;

XX Best Local Similarity 100.0%; Pred. No. 1e+02;

XX Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

XX 1 KEELM 5

XX 8 KEELM 12

XX RESULT 7

XX AAM57503

XX ID AAM57503 standard; Protein; 29 AA.

XX AAM57503;

XX 05-NOV-2001 (first entry)

XX Human brain expressed single exon probe encoded protein SEQ ID No. 24054

XX Human; brain expressed exon; gene expression analysis; probe;

XX microarray; Alzheimer's disease; multiple sclerosis; schizophrenia,

XX epilepsy; cancer

XX Homo sapiens

XX WO200157275 A2.

XX 09-AUG-2001.

XX Penn SG, Hanzel DK, Chen W, Rank DR;

XX WPI; 2001-488899/53.

XX Single exon nucleic acid probes for analyzing gene expression in human

XX brains.

XX Example 4; SEQ ID No: 29608; 650pp; Sequence Listing; English.

XX The present invention provides a number of single exon nucleic acid

XX probes which are derived from genomic sequences expressed in the human

XX brain. They can be used to measure gene expression in brain cell samples,

XX which may enable the diagnosis and improved treatment of nervous system

XX diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia,

XX epilepsy and cancers. The present sequence is a protein encoded by one of

XX the probes of the invention.

XX Sequence 29 AA;

XX Query Match 100.0%; Score 24; DB 22; Length 29;

XX Best Local Similarity 100.0%; Pred. No. 1e+02;

XX Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

XX 1 KEELM 5

XX 8 KEELM 12

XX RESULT 8

XX AAM69907

XX ID AAM69907 standard; Protein; 29 AA.

XX AAM69907;

XX 06-NOV-2001 (first entry)

XX Human bone marrow expressed probe encoded protein SEQ ID No. 40214.

XX Human; bone marrow expressed exon; gene expression analysis; probe;

XX microarray; cancer; leukaemia; lymphoma; myeloma.

XX Homo sapiens.

XX WO200157276-A2.

XX 09-AUG-2001.

XX 30-JAN-2001; 2001WO-US00668.

XX 04-FEB-2000; 2000US-0180312.

XX 26-MAY-2000; 2000US-0207456.

XX 30-JUN-2000; 2000US-0608408.

XX 03-AUG-2000; 2000US-0642466.

XX

PF 30-JAN-2001; 2001WO-US00667.

XX

PR 04-FEB-2000; 2000US-0180312.

PR 26-MAY-2000; 2000US-0207456.

PR 30-JUN-2000; 2000US-0608408.

PR 03-AUG-2000; 2000US-0642466.

PR 21-SEP-2000; 2000US-0344687.

PR 27-SEP-2000; 2000US-0236359.

PR 04-OCT-2000; 2000US-0024263.

XX

PA (MOLE-) MOLECULAR DYNAMICS INC.

XX Penn SG, Hanzel DK, Chen W, Rank DR;

XX WPI; 2001-483446/52.

XX Single exon nucleic acid probes for analyzing gene expression in human

XX brains.

XX Example 4; SEQ ID No: 29608; 650pp; Sequence Listing; English.

XX The present invention provides a number of single exon nucleic acid

XX probes which are derived from genomic sequences expressed in the human

XX brain. They can be used to measure gene expression in brain cell samples,

XX which may enable the diagnosis and improved treatment of nervous system

XX diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia,

XX epilepsy and cancers. The present sequence is a protein encoded by one of

XX the probes of the invention.

XX Sequence 29 AA;

XX Query Match 100.0%; Score 24; DB 22; Length 29;

XX Best Local Similarity 100.0%; Pred. No. 1e+02;

XX Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

XX 1 KEELM 5

XX 8 KEELM 12

XX RESULT 8

XX AAM69907

XX ID AAM69907 standard; Protein; 29 AA.

XX AAM69907;

XX 06-NOV-2001 (first entry)

XX Human bone marrow expressed probe encoded protein SEQ ID No. 40214.

XX Human; bone marrow expressed exon; gene expression analysis; probe;

XX microarray; cancer; leukaemia; lymphoma; myeloma.

XX Homo sapiens.

XX WO200157276-A2.

XX 09-AUG-2001.

XX

PF 30-JAN-2001; 2001WO-US00667.

XX

PR 04-FEB-2000; 2000US-0180312.

PR 26-MAY-2000; 2000US-0207456.

PR 30-JUN-2000; 2000US-0608408.

PR 03-AUG-2000; 2000US-0642466.

PR 21-SEP-2000; 2000US-0344687.

PR 27-SEP-2000; 2000US-0236359.

PR 04-OCT-2000; 2000US-0024263.

XX

PA (MOLE-) MOLECULAR DYNAMICS INC.

XX Penn SG, Hanzel DK, Chen W, Rank DR;

XX WPI; 2001-483446/52.

XX Single exon nucleic acid probes for analyzing gene expression in human

XX brains.

XX Example 4; SEQ ID No: 29608; 650pp; Sequence Listing; English.

XX The present invention provides a number of single exon nucleic acid

XX probes which are derived from genomic sequences expressed in the human

XX brain. They can be used to measure gene expression in brain cell samples,

XX which may enable the diagnosis and improved treatment of nervous system

XX diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia,

XX epilepsy and cancers. The present sequence is a protein encoded by one of

XX the probes of the invention.

XX Sequence 29 AA;

XX Query Match 100.0%; Score 24; DB 22; Length 29;

XX Best Local Similarity 100.0%; Pred. No. 1e+02;

XX Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

XX 1 KEELM 5

XX 8 KEELM 12

XX RESULT 8

XX AAM69907

XX ID AAM69907 standard; Protein; 29 AA.

XX AAM69907;

XX 06-NOV-2001 (first entry)

XX Human bone marrow expressed probe encoded protein SEQ ID No. 40214.

XX Human; bone marrow expressed exon; gene expression analysis; probe;

XX microarray; cancer; leukaemia; lymphoma; myeloma.

XX Homo sapiens.

XX WO200157276-A2.

XX 09-AUG-2001.

XX

PF 30-JAN-2001; 2001WO-US00667.

XX

PR 04-FEB-2000; 2000US-0180312.

PR 26-MAY-2000; 2000US-0207456.

PR 30-JUN-2000; 2000US-0608408.

PR 03-AUG-2000; 2000US-0642466.

PR 21-SEP-2000; 2000US-0344687.

PR 27-SEP-2000; 2000US-0236359.

PR 04-OCT-2000; 2000US-0024263.

XX

PA (MOLE-) MOLECULAR DYNAMICS INC.

XX Penn SG, Hanzel DK, Chen W, Rank DR;

XX WPI; 2001-483446/52.

XX Single exon nucleic acid probes for analyzing gene expression in human

XX brains.

XX Example 4; SEQ ID No: 29608; 650pp; Sequence Listing; English.

XX The present invention provides a number of single exon nucleic acid

XX probes which are derived from genomic sequences expressed in the human

XX brain. They can be used to measure gene expression in brain cell samples,

XX which may enable the diagnosis and improved treatment of nervous system

XX diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia,

XX epilepsy and cancers. The present sequence is a protein encoded by one of

XX the probes of the invention.

XX Sequence 29 AA;

XX Query Match 100.0%; Score 24; DB 22; Length 29;

XX Best Local Similarity 100.0%; Pred. No. 1e+02;

XX Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

XX 1 KEELM 5

XX 8 KEELM 12

XX RESULT 8

XX AAM69907

XX ID AAM69907 standard; Protein; 29 AA.

XX AAM69907;

XX 06-NOV-2001 (first entry)

XX Human bone marrow expressed probe encoded protein SEQ ID No. 40214.

XX Human; bone marrow expressed exon; gene expression analysis; probe;

XX microarray; cancer; leukaemia; lymphoma; myeloma.

XX Homo sapiens.

XX WO200157276-A2.

XX 09-AUG-2001.

XX

PF 30-JAN-2001; 2001WO-US00667.

XX

PR 04-FEB-2000; 2000US-0180312.

PR 26-MAY-2000; 2000US-0207456.

PR 30-JUN-2000; 2000US-0608408.

PR 03-AUG-2000; 2000US-0642466.

PR 21-SEP-2000; 2000US-0344687.

PR 27-SEP-2000; 2000US-0236359.

PR 04-OCT-2000; 2000US-0024263.

XX

PA (MOLE-) MOLECULAR DYNAMICS INC.

XX Penn SG, Hanzel DK, Chen W, Rank DR;

XX WPI; 2001-483446/52.

XX Single exon nucleic acid probes for analyzing gene expression in human

XX brains.

XX Example 4; SEQ ID No: 29608; 650pp; Sequence Listing; English.

XX The present invention provides a number of single exon nucleic acid

XX probes which are derived from genomic sequences expressed in the human

XX brain. They can be used to measure gene expression in brain cell samples,

XX which may enable the diagnosis and improved treatment of nervous system

XX diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia,

XX epilepsy and cancers. The present sequence is a protein encoded by one of

XX the probes of the invention.

XX Sequence 29 AA;

XX Query Match 100.0%; Score 24; DB 22; Length 29;

XX Best Local Similarity 100.0%; Pred. No. 1e+02;

XX Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

XX 1 KEELM 5

XX 8 KEELM 12

XX RESULT 8

XX WPI: 2001-488900/53.
 XX Note: The sequence data for this patent did not form part of the printed
 CC specification, but was obtained in electronic format directly from WIPO
 CC at ftp.wipo.int/pub/published_pct_sequences.
 XX
 XX Human genome-derived single exon nucleic acid probes useful for
 PT analyzing gene expression in human bone marrow.
 XX
 PS Example 4: SEQ ID NO: 30213; 658pp + Sequence Listing; English.
 XX
 CC The present invention provides a number of single exon nucleic acid
 CC probes which are derived from genomic sequences expressed in the human
 CC bone marrow. They can be used to measure gene expression in bone marrow
 CC samples, which may enable the improved diagnosis and treatment of cancers
 CC such as lymphoma, leukemia and myeloma. The present sequence is a
 CC protein encoded by one of the probes of the invention.
 XX
 XX Sequence 29 AA:
 SQ
 Query Match 100.0%; Score 24; DB 22; Length 29;
 Best Local Similarity 100.0%; Pred. No. 1e-02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 KEELM 5
 DB 8 KEELM 12
 I I I I I
 RESULT 9
 AAM17730
 ID AAM17730 standard; Protein: 29 AA.
 AC AAM17730;
 DI 12-OCT-2001 (first entry)
 DE Peptide #4164 encoded by probe for measuring cervical gene expression.
 KW Probe; human; microarray; gene expression; cervical epithelial cell;
 KW cervical cancer.
 XX Homo sapiens.
 OS
 PN WC20015778-A2
 XX
 XX 09-AUG-2001.
 PD
 PF 30-JAN-2001; 2001WO-US00670
 XX
 XX 04-FEB-2000; 2000US-0180312.
 PR 26-MAY-2000; 2000US-0207456.
 PR 30-JUN-2000; 2000US-0608408.
 PR 03-AUG-2000; 2000US-0632366.
 PR 21-SEP-2000; 2000US-0234687.
 PR 27-SEP-2000; 2000US-0236359.
 PR 04-OCT-2000; 2000GR-0024263.
 XX
 PA (MOLE-) MOLECULAR DYNAMICS INC.
 XX
 XX Penn SG, Hanzel DK, Chen W, Rank DR;
 XX WPI: 2001 488901/53
 DP
 XX Human genome-derived single exon nucleic acid probes useful for
 PT analyzing gene expression in human cervical epithelial cells.
 XX
 PS Claim 27; SEQ ID NO 22556, 487pp; English.
 XX
 CC The present invention relates to human single exon nucleic acid probes
 CC (SENP: see AAM1068-AAM28459). The present sequence is a peptide encoded
 CC by one such probe. The SENPs are derived from human HeLa cells. The SENPs
 CC can be used to produce a single exon microarray, which can be used for
 CC measuring human gene expression in a sample derived from human cervical
 CC epithelial cells. By measuring gene expression, the probes are therefore
 CC useful in grading and/or staging of diseases of the cervix, notably

CC cervical cancer.
 CC Note: The sequence data for this patent did not form part of the printed
 CC specification, but was obtained in electronic format directly from WIPO
 CC at ftp.wipo.int/pub/published_pct_sequences.
 XX
 XX Sequence 29 AA:
 SQ
 Query Match 100.0%; Score 24; DB 22; Length 29;
 Best Local Similarity 100.0%; Pred. No. 1e-02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 KEELM 5
 DB 8 KEELM 12
 I I I I I
 RESULT 10
 AAM30245
 ID AAM30245 standard; Protein: 29 AA.
 XX
 AC AAM30245;
 DI 17-OCT-2001 (first entry)
 DE Peptide #4282 encoded by probe for measuring placental gene expression.
 KW Probe; microarray; human; placenta; antenatal diagnosis;
 KW genetic disorder.
 XX Homo sapiens.
 OS
 PN WC200157272-A2.
 XX
 XX 09-AUG-2001
 PD
 PF 30-JAN-2001; 2001WO-US00663.
 XX
 XX 04-FEB-2000; 2000US-0180312.
 PR 26-MAY-2000; 2000US-0207456.
 PR 30-JUN-2000; 2000US-0608408.
 PR 03-AUG-2000; 2000US-0632366.
 PR 21-SEP-2000; 2000US-0234687.
 PR 27-SEP-2000; 2000US-0236359.
 PR 04-OCT-2000; 2000GB-0024263.
 XX
 PA (MOLE-) MOLECULAR DYNAMICS INC.
 XX
 XX Penn SG, Hanzel DK, Chen W, Rank DR;
 XX WPI: 2001-488997/53.
 XX
 XX Human genome-derived single exon nucleic acid probes useful for
 PT analyzing gene expression in human placenta.
 XX
 PS Claim 27; SEQ ID No 30514; 654pp; English.
 XX
 CC The present invention relates to single exon nucleic acid probes (SENP:
 CC see AAM31315-AA157546). The present sequence is a peptide encoded by one
 CC such probe. The probes are useful for producing a microarray for
 CC prediction, measuring and displaying gene expression in samples derived
 CC from human placenta. The probes are useful for antenatal diagnosis of
 CC human genetic disorders.
 XX
 XX Sequence 29 AA:
 SQ
 Query Match 100.0%; Score 24; DB 22; Length 29;
 Best Local Similarity 100.0%; Pred. No. 1e-02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 KEELM 5
 DB 8 KEELM 12
 I I I I I

RESULT 11
 AAM05492
 ID AAM05492 standard; Protein: 29 AA.
 XX
 A* AAM05492;
 XX
 DI 09-OCT-2001 (first entry)
 DE Peptide #4074 encoded by probe for measuring breast gene expression
 XX
 XX Probe; human; breast disease; breast cancer; development disorder;
 KW inflammatory disease; proliferative breast disease; non-carcinoma tumour.
 XX
 OS Homo sapiens.
 XX
 PN W0200157270 A2.
 XX
 PD 09-AUG-2001.
 XX
 PF 29 JAN 2001; 2001WO-US00661.
 XX
 PR 04-FEB-2000; 2000US-0180412
 PR 26 MAY 2000; 2000US-0207456.
 PR 30-JUN-2000; 2000US-0608408.
 PR 03-AUG-2000; 2000US-0632366.
 PR 21-SEP-2000; 2000US-0234487.
 PR 27-SEP-2000; 2000US-0246459.
 PR 04-OCT-2000; 2000GB-0024264.
 XX
 PA (MOLE-) MOLECULAR DYNAMICS INC.
 XX
 PI Penn SG, Hanzel DK, Chen W, Rank DR;
 XX
 DI WPI: 2001-476286/51.
 XX
 PT Novel single exon nucleic acid probe used to measuring gene expression
 PI in a human breast.
 XX
 PS Claim 27; SEQ ID No 14112; 422pp; English.
 XX
 CC The present invention relates to novel single exon nucleic acid probes
 CC (see AAM0010-AA10067). The present sequence is a peptide encoded by one
 CC such probe. The probes are useful for measuring human gene expression in
 CC a human breast sample, where the probe hybridises at high stringency to a
 CC nucleic acid expressed in the human breast. The probes are useful for
 CC predicting, diagnosing, grading, staging, monitoring and prognosing
 CC diseases of the human breast, particularly those diseases with polygenic
 CC aetiology. The diseases include: breast cancer; disorders of development,
 CC inflammatory diseases of the breast; fibrocystic changes; Proliferative
 CC breast disease and non-carcinoma tumours.
 CC Note: The sequence data for this patent did not form part of the printed
 CC specification, but was obtained in electronic format directly from WIPO
 CC at http://wipo.int/pub/published_pct_sequences.
 XX
 SU Sequence 29 AA;
 Query Match 100.0%; Score 24; DB 22; Length 29,
 Best Local Similarity 100.0%; Prod. No. 1e-02;
 Matches 5; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;
 U7 1 KEELM 5
 U8 8 KEELM 12
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CC pulmonary dysplasia, primary ciliary dyskinesia, pulmonary hypertension
 CC and hyaline membrane disease. The present sequence is a peptide/protein
 CC encoded by a single exon probe of the invention
 CC Note: The sequence data for this patent did not form part
 CC of the printed specification, but was obtained in electronic
 CC format directly from WIPO at
 CC ftp.wipo.int/pub/published_pat_sequences.

XX SQ Sequence 29 AA;

Query Match 100.0%; Score 24; DB 23; Length 23;
 Best Local Similarity 100.0%; Pred. No. 1e-02; 0; Gaps 0;
 Matches 5; Conservative 0; Mismatches 0; Indels 0;

QY 1 KEELM 5
 |||||
 DB 8 KEELM 12

RESULT 13

ID AAB82020 standard, peptide, 34 AA.

AC AAB82020;

DI 13-JUN-2001 (first entry)

DE Human hepreceptor domain B

KW Human; hepreceptor domain B; cytotostatic; anti-HIV; antihistone;
 KW neurotrophic; immune response inducer; ezrin; infectious diseases; cancer;
 KW HIV-related dementia.

OS Homo sapiens.

PI Key location/Qualifiers

FI Modified-site 14 /note= "Optionally phosphorylated"

PN GB2354241-A.

PD 21-MAR-2001.

PF 17-SEP-1999; 99CH-0021881.

PP 17-SEP-1999; 99GB-0021881.

PA (HOLM/) HOLMS P D.

PI Holms RD;

DP WPI: 2001-203287/31.

XX Novel regulatory or unfolding peptides of ezrin that binds to
 PI hepreceptor, useful for inducing immune response for treating
 PI infectious diseases and cancer.

PS Claim 5, Page 36, 42pp. English

XX The present sequence is domain B of human hepreceptor of human ezrin. The
 CC hepreceptor is a novel active site in human ezrin. Ezrin regulates the
 CC structure of the cortical cytoskeleton to control cell surface
 CC topography. The present invention relates to peptides (see AAB82041 to
 CC AAB82044) that bind to hepreceptor with greater affinity than HEP1 (see
 CC AAB82046). The hepreceptor binding peptides are useful for inducing
 CC immune response, and for treating infectious diseases, cancer and
 CC HIV-related dementia. The present sequence assembles into two
 CC anti-parallel helices with hepreceptor domain A (see AAB82019).

XX Sequence 34 AA;

Query Match 100.0%; Score 24; DB 22; Length 34;
 Best Local Similarity 100.0%; Pred. No. 1.2e-02.

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 KEELM 5
 |||||
 DB 4 KEELM 8

RESULT 14

AAU33060
 ID AAU33060 standard; Protein; 52 AA.

XX AC AAU33060;

XX DI 18-DEC-2001 (first entry)

XX DE Novel human secreted protein #3551.

XX KW Human; vaccination; gene therapy; nutritional supplement;

KW stem cell proliferation; haematopoiesis; nerve tissue regeneration;
 KW immune suppression; immune stimulation; anti-inflammatory; leukaemia.

OS Homo sapiens.

XX WO200179449-A2.

XX PD 25-OCT-2001.

XX PF 16-APR-2001; 2001WO-US08656.

XX PR 18-APR-2000; 2000US-0552929.

XX PP 25-JAN-2001; 2001US-0773150.

XX PA (HYSE-) HYSEQ INC.

XX PI Tanq YI, Liu C, Drmanac RT;

XX DR WPI: 2001-611725/70.

XX PT Nucleic acids encoding a range of human polypeptides, useful in genetic
 XX vaccination, testing and therapy.

XX PS Claim 20; Page 702; 765pp; English.

XX The invention relates to novel human secreted polypeptides. The
 CC polypeptides and antibodies to the polypeptides are useful for
 CC determining the presence of or predisposition to a disease associated
 CC with altered levels of polypeptide. The polypeptides are also useful for
 CC identifying agents (agonists and antagonists) that bind to them. Cells
 CC expressing the proteins are useful for identifying a therapeutic agent
 CC for use in treatment of a pathology related to aberrant expression or
 CC physiological interactions of the polypeptide. Vectors comprising
 CC the nucleic acids encoding the polypeptides and cells genetically
 CC engineered to express them are also useful for producing the proteins.
 CC The proteins are useful in genetic vaccination, testing and
 CC therapy, and can be used as nutritional supplements. They may be used to
 CC increase stem cell proliferation; to regulate haematopoiesis; and in
 CC bone, cartilage, tendon and/or nerve tissue growth or regeneration;
 CC immune suppression and/or stimulation; as anti-inflammatory agents; and
 CC in treatment of leukaemias. AAU33060-AAU33064 represent the amino acid
 CC sequences of novel human secreted proteins of the invention.

XX Sequence 52 AA;

Query Match 100.0%; Score 24; DB 22; Length 52;
 Best Local Similarity 100.0%; Pred. No. 1.8e-02;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KEELM 5
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 DB 12 KEELM 16

RESULT 15

AA: 16.0¹⁵, 5.0¹
ID: AAG60550 standard; Protein; 56 AA.

PR 23-AUG-1999; 99US-0149902.
PR 24-AUG-1999; 99US-0149930.
PR 25-AUG-1999; 99US-0150566.
PR 26-AUG-1999; 99US-0150884.
PR 27-AUG-1999; 99US-0151065.
PR 27-AUG-1999; 99US-0151066.
PR 27-AUG-1999; 99US-0151080.
PR 30-AUG-1999; 99US-0151303.
PR 31-AUG-1999; 99US-0151438.
PR 01-SEP-1999; 99US-0151930.
PR 07-SEP-1999; 99US-0152463.
PR 10-SEP-1999; 99US-0153070.
PR 13-SEP-1999; 99US-0153758.
PR 15-SEP-1999; 99US-0154018.
PR 16-SEP-1999; 99US-0154039.
PR 20-SEP-1999; 99US-0154779.
PR 22-SEP-1999; 99US-0155139.
PR 23-SEP-1999; 99US-0155486.
PR 24-SEP-1999; 99US-0155659.
PR 28-SEP-1999; 99US-0156458.
PR 29-SEP-1999; 99US-0156596.
PR 04-OCT-1999; 99US-0157117.
PR 05-OCT-1999; 99US-0157753.
PR 06-OCT-1999; 99US-0157865.
PR 07-OCT-1999; 99US-0158029.
PR 08-OCT-1999; 99US-0158232.
PR 12-OCT-1999; 99US-0158469.
PR 13-OCT-1999; 99US-0158293.
PR 13-OCT-1999; 99US-0159294.
PR 13-OCT-1999; 99US-0159295.
PR 14-OCT-1999; 99US-0159329.
PR 14-OCT-1999; 99US-0159330.
PR 14-OCT-1999; 99US-0159331.
PR 14-OCT-1999; 99US-0159637.
PR 14-OCT-1999; 99US-0159638.
PR 18-OCT-1999; 99US-0159584.
PR 21-OCT-1999; 99US-0160741.
PR 21-OCT-1999; 99US-0160767.
PR 21-OCT-1999; 99US-0160768.
PR 21-OCT-1999; 99US-0160770.
PR 21-OCT-1999; 99US-0160814.
PR 21-OCT-1999; 99US-0160815.
PR 22-OCT-1999; 99US-0160980.
PR 22-OCT-1999; 99US-0160981.
PR 22-OCT-1999; 99US-0160989.
PR 22-OCT-1999; 99US-0161404.
PR 23-OCT-1999; 99US-0161405.
PR 25-OCT-1999; 99US-0161406.
PR 26-OCT-1999; 99US-0161359.
PR 26-OCT-1999; 99US-0161360.
PR 26-OCT-1999; 99US-0161361.
PR 28-OCT-1999; 99US-0161920.
PR 28-OCT-1999; 99US-0161992.
PR 28-OCT-1999; 99US-0161993.
PR 28-OCT-1999; 99US-0162142.

Query Match 100.0%; Score 24; DB 21; Length 56;
Best Local Similarity 100.0%; Pred. No. 20-02;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KEELM 5

DB 10 KEELM 14

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Job time : 24.7857 secs

